



FACTOIDS: Drinking Water and Ground Water Statistics for 2001

Office of Ground Water and
Drinking Water (4606M)
EPA 815-K-02-004
www.epa.gov/safewater
May 2002

There are approximately 165,000 public drinking water systems in the United States. Each of these systems regularly supplies drinking water to at least 25 people or 15 service connections. Beyond their common purpose, the 165,000 systems vary widely. The following tables group water systems into categories that show their similarities and differences. For example, the first table shows that most people in the US (263 million) get their water from a community water system. There are approximately 54,000 community water systems, but just seven percent of those systems (3,782) serve 81 percent of the people. The second table shows that more water systems have ground water than surface water as a source--but more people drink from a surface water system. Other tables break down these national numbers by state, territory, and EPA region.

This package also contains figures on the types and locations of underground injection control wells. EPA and states regulate the placement and operation of these wells to ensure that they do not threaten underground sources of drinking water.

The drinking water system statistics on the following pages are taken from the Safe Drinking Water Information System/Federal version (SDWIS/Fed). SDWIS/Fed is the U.S. Environmental Protection Agency's official record of public drinking water systems, their violations of state and EPA regulations, and enforcement actions taken by EPA or states as a result of those violations. EPA maintains the database using information collected and submitted by the states. The underground injection control program statistics are based on separate reporting from the states to EPA. For more information and additional drinking water data tables, please visit <http://www.epa.gov/safewater/data/getdata.html>.

Acronyms & Abbreviations:

CWS: Community Water System

FY: (federal) Fiscal Year [October 1-September 30]

M/R: Monitoring/Reporting violation [water system's failure to monitor for, or report to the state, the level of a contaminant on the required schedule]

MCL: Maximum Contaminant Level [the legal limit on a contaminant in drinking water]

NTNCWS: Non-Transient Non-Community Water System

Other: Other violations of EPA rules (including failure to provide public notice of another violation, or failure to prepare and/or distribute a Consumer Confidence Report)

Pop. Served: Population served (by a water system)

PWS: Public Water System

PWSS: Public Water System Supervision program

SDWIS/FED: Safe Drinking Water System/Federal version

TNCWS: Transient Non-Community Water System

TT: Treatment Technique [a drinking water treatment required by EPA or state rules]

FY2001 Drinking Water Factoids

Public Water System Inventory data

Active, current systems, from Safe Drinking Water Information System/Federal version (SDWIS/FED) 01Q4 frozen inventory table

System size

by population served

		Very Small 500 or less	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
CWS	# systems	31,262	14,241	4,498	3,432	350	53,783
	Pop. served	5,094,790	20,096,911	26,092,461	96,516,416	116,344,551	264,145,129
	% of systems	58%	26%	8%	6%	1%	100%
	% of pop	2%	8%	10%	37%	44%	100%
NTNCWS	# systems	17,133	2,847	93	19	3	20,095
	Pop. served	2,386,179	2,814,630	459,388	545,943	380,046	6,586,186
	% of systems	85%	14%	0%	0%	0%	100%
	% of pop	36%	43%	7%	8%	6%	100%
TNCWS	# systems	88,729	2,691	121	49	3	91,593
	Pop. served	7,471,798	2,702,365	667,436	1,242,141	735,001	12,818,741
	% of systems	97%	3%	0%	0%	0%	100%
	% of pop	58%	21%	5%	10%	6%	100%
Total # systems		137,124	19,779	4,712	3,500	356	165,471

CWS = Community Water System: A public water system that supplies water to the same population year-round.

NTNCWS = Non-Transient Non-Community Water System: A public water system that regularly supplies water to at least 25 of the same people at least six months per year, but not year-round. Some examples are schools, factories, office buildings, and hospitals which have their own water systems.

TNCWS = Transient Non-Community Water System: A public water system that provides water in a place such as a gas station or campground where people do not remain for long periods of time.

Water source

Type		Ground Water	Surface Water	Totals
CWS	# systems	42,212	11,571	53,783
	Pop. served	85,743,562	178,401,567	264,145,129
	% of systems	78%	22%	100%
	% of pop	32%	68%	100%
NTNCWS	# systems	19,205	890	20,095
	Pop. served	5,717,258	868,928	6,586,186
	% of systems	96%	4%	100%
	% of pop	87%	13%	100%
TNCWS	# systems	89,322	2,271	91,593
	Pop. served	11,881,965	936,776	12,818,741
	% of systems	98%	2%	100%
	% of pop	93%	7%	100%
Total # systems		150,739	14,732	165,471
		103,342,785	180,207,271	

Ground water systems = ground water (GW), purchased ground water (GWP)

Surface water systems = surface water (SW), purchased surface water (SWP),

ground water under the direct influence of surface water (GU),

purchased ground water under the direct influence of surface water (GUP).

SDWIS/FED 01Q4 tables are "frozen" in early January 2002

Note: CA and NY inventory data from 00Q4 frozen tables, due to FY2001 reporting problems

FY2001 water system data--by State

Key: # systems
pop. served

Active, current systems, from SDWIS/FED 01Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 01Q4 frozen violations table

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
AK	440	199	935	1,574	1,336	238	67	15%
	462,071	43,489	95,644	601,204	293,188	308,016	40,169	9%
AL	570	34	84	688	439	249	20	4%
	4,995,652	21,410	7,834	5,024,896	1,454,495	3,570,401	146,223	3%
AR	732	120	292	1,144	739	405	84	11%
	2,413,170	13,357	16,902	2,443,429	915,689	1,527,740	130,015	5%
AZ	793	209	669	1,671	1,428	243	78	10%
	4,495,684	138,388	141,223	4,775,295	1,365,199	3,410,096	461,996	10%
CA (FY2000)	3,283	1,290	3,573	8,146	7,030	1,116	177	5%
	34,084,987	584,333	1,111,711	35,781,031	9,386,226	26,394,805	545,799	2%
CO	825	162	1,086	2,073	1,603	470	50	6%
	3,985,238	54,292	226,232	4,265,762	531,385	3,734,377	396,514	10%
CT	596	650	2,170	3,416	3,345	71	56	9%
	2,703,462	131,626	72,487	2,907,575	514,347	2,393,228	51,265	2%
DC	2			2		2		0%
	595,000			595,000		595,000		0%
DE	240	93	213	546	541	5	25	10%
	816,195	26,098	50,667	892,960	426,330	466,630	65,828	8%
FL	2,001	1,076	3,548	6,625	6,561	64	93	5%
	16,192,564	276,178	298,745	16,767,487	14,466,011	2,301,476	754,812	5%
GA	1,668	263	607	2,538	2,335	203	76	5%
	6,820,177	74,998	93,465	6,988,640	1,639,668	5,348,972	129,489	2%
HI	117	9	4	130	114	16	7	6%
	1,307,070	5,385	1,400	1,313,855	1,191,020	122,835	116,678	9%
IA	1,151	160	656	1,967	1,810	157	66	6%
	2,484,734	45,545	85,049	2,615,328	1,471,780	1,143,548	44,971	2%
ID	743	261	1,063	2,067	1,987	80	55	7%
	907,203	51,609	122,221	1,081,033	826,649	254,384	28,336	3%
IL	1,800	437	3,478	5,715	5,018	697	212	12%
	11,022,700	159,136	384,485	11,566,321	3,241,206	8,325,115	862,348	8%
IN	874	670	2,701	4,245	4,107	138	111	13%
	4,397,355	205,908	382,602	4,985,865	2,719,419	2,266,446	219,511	5%
KS	918	30	122	1,070	740	330	58	6%
	2,426,588	11,995	14,173	2,452,756	774,467	1,678,289	136,397	6%
KY	452	71	164	687	308	379	28	6%
	4,372,744	27,458	11,536	4,411,738	372,865	4,038,873	324,454	7%
LA	1,152	199	348	1,699	1,633	66	95	8%
	4,790,253	80,583	97,903	4,968,739	3,004,802	1,963,937	307,909	6%
MA	516	232	912	1,660	1,485	175	112	22%
	9,290,658	66,328	148,394	9,505,380	2,403,378	7,102,002	4,974,755	54%
MD	504	565	2,736	3,805	3,714	91	14	3%
	4,427,904	161,141	159,333	4,748,378	845,575	3,902,803	4,383	0%
ME	397	373	1,244	2,014	1,931	83	70	18%
	613,365	71,926	200,314	885,605	455,017	430,588	68,633	11%
MI	1,481	1,783	9,008	12,272	11,963	309	96	6%
	7,189,749	497,481	1,167,322	8,854,552	3,354,489	5,500,063	172,604	2%
MN	957	628	6,618	8,203	8,088	115	36	4%
	3,886,106	100,638	413,041	4,399,785	2,985,171	1,414,614	32,595	1%
MO	1,439	235	1,027	2,701	2,454	247	216	15%
	4,715,214	79,873	149,546	4,944,633	1,796,583	3,148,050	203,255	4%
MS	1,211	104	131	1,446	1,441	5	72	6%
	2,909,607	84,720	25,421	3,019,748	2,712,524	307,224	267,433	9%

FY2001 water system data--by State, cont.

Key: # systems

Pop served

Active, current systems, from SDWIS/FED 01Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 01Q4 frozen violations table

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
MT	651	224	1,157	2,032	1,812	220	37	6%
	656,148	48,345	167,908	872,401	478,051	394,350	27,951	4%
NC	2,415	642	4,617	7,674	7,075	599	199	8%
	6,015,942	184,923	410,995	6,611,860	1,986,527	4,625,333	226,262	4%
ND	319	28	190	537	449	88	35	11%
	549,255	3,808	16,312	569,375	218,099	351,276	21,396	4%
NE	614	176	520	1,310	1,271	39	197	32%
	1,412,644	42,439	66,339	1,521,422	747,600	773,822	754,450	53%
NH	676	457	1,033	2,166	2,109	57	69	10%
	781,734	93,298	212,608	1,087,640	564,300	523,340	94,370	12%
NJ	605	908	2,653	4,166	4,067	99	34	6%
	7,782,929	257,654	359,620	8,400,203	3,117,908	5,282,295	974,402	13%
NM	616	148	482	1,246	1,206	40	48	8%
	1,539,413	37,473	183,257	1,760,143	1,538,612	221,531	111,697	7%
NV	261	105	246	612	580	32	7	3%
	1,900,819	34,486	24,948	1,960,253	258,632	1,701,621	9,031	0%
NY (FY2000)	2,868	761	7,001	10,630	9,554	1,076	105	4%
	17,690,198	358,726	856,655	18,905,579	5,488,212	13,417,367	2,159,270	12%
OH	1,322	1,052	3,295	5,669	4,982	687	104	8%
	9,765,684	265,434	510,700	10,541,818	2,940,966	7,600,852	1,165,454	12%
OK	1,166	116	434	1,716	998	718	57	5%
	3,431,133	18,042	41,808	3,490,983	714,767	2,776,216	249,066	7%
OR	885	332	1,477	2,694	2,404	290	151	17%
	2,764,273	73,792	226,815	3,064,880	833,160	2,231,720	200,328	7%
PA	2,184	1,267	6,809	10,260	9,702	558	100	5%
	10,415,799	510,750	850,792	11,777,341	2,890,211	8,887,130	318,090	3%
RI	83	70	323	476	451	25	1	1%
	949,400	24,725	54,351	1,028,476	205,466	823,010	120	0%
SC	680	217	581	1,478	1,253	225	83	12%
	3,349,248	72,244	55,485	3,476,977	742,849	2,734,128	423,276	13%
SD	473	35	206	714	580	134	42	9%
	642,119	4,550	33,883	680,552	290,421	390,131	10,203	2%
TN	649	57	466	1,172	616	556	27	4%
	5,214,535	30,086	54,418	5,299,039	1,428,673	3,870,366	158,635	3%
TX	4,574	847	1,418	6,839	5,673	1,166	161	4%
	20,855,532	333,097	289,328	21,477,957	7,219,006	14,258,951	524,326	3%
UT	390	60	440	890	866	24	40	10%
	2,396,260	45,530	78,952	2,520,742	2,498,499	22,243	25,682	1%
VA	1,335	597	1,789	3,721	3,331	390	222	17%
	6,617,254	377,218	913,618	7,908,090	1,631,436	6,276,654	127,370	2%
VT	439	220	698	1,357	1,225	132	51	12%
	501,722	39,741	715,448	1,256,911	757,713	499,198	34,844	7%
WA	2,295	312	1,586	4,193	3,912	281	287	13%
	5,141,914	261,334	287,597	5,690,845	2,742,924	2,947,921	1,320,095	26%
WI	1,125	982	9,499	11,606	11,560	46	114	10%
	3,676,667	202,249	712,585	4,591,501	2,920,892	1,670,609	566,356	15%
WV	562	185	599	1,346	962	384	25	4%
	1,395,398	53,419	41,659	1,490,476	317,366	1,173,110	71,663	5%
WY	270	88	384	742	626	116	19	7%
	432,764	18,576	74,661	526,001	184,484	341,517	10,481	2%
	52,319	19,739	91,292	163,350	149,414	13,936	4,189	
	258,184,234	6,405,834	12,718,392		101,864,257	175,444,203	20,071,190	

FY2001 water system data--Tribal systems

Active, current systems, from SDWIS/FED 01Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 01Q4 frozen violations table

Key: # systems
Pop served

Region	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
01	1	2	3	6	6			0%
	120	60	670	850	850			0%
02	4		1	5	4	1		0%
	2,929		300	3,229	1,229	2,000		0%
04	14	3	23	40	37	3	1	7%
	16,119	1,225	3,360	20,704	16,183	4,521	2,015	13%
05	78	36	9	123	121	2	3	4%
	79,968	24,191	674	104,833	104,344	489	585	1%
06	43	19	10	72	70	2	14	33%
	56,434	6,858	683	63,975	60,945	3,030	26,196	46%
07	9		4	13	12	1	1	11%
	6,173		525	6,698	6,200	498	498	8%
08	110	7		117	101	16	9	8%
	68,377	4,406		72,783	52,221	20,562	1,679	2%
09	406	21	71	498	462	36	5	1%
	222,190	10,557	65,184	297,931	259,853	38,078	1,485	1%
10	80	12	4	96	89	7	6	8%
	38,527	5,849	1,730	46,106	36,331	9,775	1,045	3%
	745	100	125	970	902	68	39	
	490,837	53,146	73,126		538,156	78,953	33,503	

FY2001 water system data--Commonwealths and Territories

Active, current systems, from SDWIS/FED 01Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 01Q4 frozen violations table

Key: # systems
Pop served

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
Amer. Samoa	22			22	12	10	18	82%
	52,458			52,458	49,618	2,840	52,325	100%
Guam	10	2		12	8	4		0%
	109,070	770		109,840	20,990	88,850		0%
N. Marianas Islands	80	35	15	130	127	3		0%
	103,435	9,751	1,754	114,940	51,389	63,551		0%
Puerto Rico	453	48	5	506	270	236	334	74%
	5,094,014	41,742	1,865	5,137,621	813,402	4,324,219	4,058,261	80%
Palau	16	2		18	2	16		0%
	12,060	1,163		13,223	400	12,823		0%
Virgin Islands	138	169	156	463	4	459	3	2%
	99,021	73,780	23,604	196,405	4,573	191,832	2,200	2%
	719	256	176	1,151	423	728	355	
	5,470,058	127,206	27,223		940,372	4,684,115	4,112,786	

Government Performance and Results Act--PWSS measure

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA's goal is that by 2005, the population served by community water systems providing drinking water that meets all existing health-based standards will increase to 95% from a baseline of 83% in 1994.

Nationally

2001	91%
2000	91%
1999	91%
1998	89%
1997	87%
1996	86%
1995	84%
1994	83%
1993	79%

By region

	1	2	3	4	5	6	7	8	9	10
2001	65%	77%	98%	95%	92%	96%	90%	94%	97%	83%
2000	62%	76%	97%	95%	95%	96%	95%	94%	94%	83%
1999	75%	61%	98%	95%	95%	95%	95%	94%	97%	94%
1998	64%	60%	97%	95%	95%	95%	94%	93%	95%	89%
1997	62%	55%	97%	93%	92%	93%	95%	91%	95%	75%
1996	60%	53%	92%	93%	92%	94%	95%	92%	91%	74%
1995	57%	52%	91%	92%	92%	88%	95%	90%	88%	75%
1994	57%	55%	87%	90%	88%	87%	94%	91%	90%	87%
1993	60%	56%	85%	90%	77%	92%	93%	92%	69%	85%
	CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
	ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
	MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
	NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
	RI		VA	MS	OH	TX		UT	AS	
	VT		WV	NC	WI			WY	GU	
				SC					MP	
				TN					PW	

Health-based violations include Maximum Contaminant Level (MCL) and Treatment Technique (TT) violations.

Population data are based on active, current water systems

For FY2001, population and violation data are from SDWIS/FED 01Q4 frozen tables. CA population data from 00Q4 frozen tables

For FY2000, population and violation data are from SDWIS/FED 00Q4 frozen tables.

For FY1999, population and violation data are from SDWIS/FED 99Q4 frozen tables.

For FY1998, population and violation data are from SDWIS/FED 98Q4 frozen tables.

For FY1997 and earlier, population and violation data are from SDWIS/FED 98Q1 frozen tables.

CWS violations reported by FY

FY2001 data from SDWIS/FED 01Q4 frozen tables, except for Chem M/Rs which are from 02Q1
FY2000 data from SDWIS/FED 00Q4 frozen tables, except for Chem M/Rs which are from 01Q1
FY1999 data from SDWIS/FED 99Q4 frozen tables, except for Chem M/Rs which are from 00Q1
FY1998 data from SDWIS/FED 98Q4 frozen tables, except for Chem M/Rs which are from 99Q1
FY1997 and earlier data from SDWIS 98Q1 frozen tables

Number of violations

FY	MCL	TT	M/R	Other*	Total
2001	5,231	2,493	63,476	11,455	82,655
2000	4,754	3,053	51,912	10,634	70,353
1999	5,497	2,202	56,307	1,025	65,031
1998	6,315	2,503	52,998	1,614	63,430
1997	5,785	2,707	63,432	1,473	73,397
1996	7,351	3,022	118,577	1,138	130,088

Number of systems in violation

FY	MCL	TT	M/R	Other*	Total	**
2001	3,241	1,572	13,639	8,631	20,996	
2000	3,161	1,682	13,736	8,937	21,308	
1999	3,298	1,046	9,259	618	11,946	
1998	3,733	1,095	9,853	893	12,868	
1997	3,710	1,094	10,809	861	13,864	
1996	4,391	1,310	12,870	731	16,229	

Population affected

FY	MCL	TT	M/R	Other*	Total	**
2001	11,165,733	15,474,893	52,618,908	25,780,359	77,845,089	
2000	11,947,655	15,394,154	34,186,550	13,881,076	62,921,077	
1999	11,078,268	15,854,547	19,829,544	2,528,920	38,124,231	
1998	10,384,541	18,483,671	28,227,720	2,366,440	48,858,948	
1997	13,843,906	22,056,053	27,179,042	3,879,561	58,038,069	
1996	16,039,066	22,678,716	32,526,904	4,670,817	63,680,826	

by system size

Number of violations

	MCL	TT	M/R	Other	Total
Very small	3,329	1,284	47,566	8,048	60,227
Small	1,231	671	9,198	2,315	13,415
Medium	370	221	3,174	631	4,396
Large	290	272	3,008	425	3,995
Very large	11	45	530	36	622

Number of systems in violation

	MCL	TT	M/R	Other	Total	**
Very small	1,998	864	9,504	5,833	14,049	
Small	762	420	2,675	1,898	4,516	
Medium	272	125	804	522	1,338	
Large	202	140	587	347	997	
Very large	7	23	69	31	96	

Population affected

	MCL	TT	M/R	Other	Total	**
Very small	320,016	151,139	1,375,870	867,947	2,106,435	
Small	1,035,933	587,706	3,681,141	2,644,237	6,230,822	
Medium	1,665,707	756,098	4,687,179	2,966,330	7,858,999	
Large	4,663,521	4,370,720	16,024,490	9,267,074	26,958,759	
Very large	3,480,556	9,609,230	26,850,228	10,034,771	34,690,074	

* Jump in FY2000 due to new violations for failing to issue, or issuing an insufficient, Consumer Confidence report

** Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row.
This is because some systems will have incurred more than one type of violation.

NTNCWS violations reported

FY2001 data from SDWIS/FED 01Q4 frozen tables, except for Chem M/Rs, which are from 02Q1
 FY2000 data from SDWIS/FED 00Q4 frozen tables, except for Chem M/Rs, which are from 01Q1
 FY1999 data from SDWIS/FED 99Q4 frozen tables, except for Chem M/Rs which are from 00Q1
 FY1998 data from SDWIS/FED 98Q4 frozen tables, except for Chem M/Rs which are from 99Q1
 FY1997 and earlier data from SDWIS/FED 98Q1 frozen tables

Number of violations

FY	MCL	TT	M/R	Other	Total
2001	1,258	696	32,847	305	35,106
2000	1,243	834	23,138	210	25,425
1999	1,369	272	27,487	145	29,273
1998	1,324	179	26,612	256	28,371
1997	1,389	227	27,913	156	29,685
1996	1,829	437	54,147	198	56,611

Number of systems in violation

FY	MCL	TT	M/R	Other	Total *
2001	921	515	5,368	213	6,241
2000	925	580	5,513	169	6,445
1999	995	190	3,852	101	4,650
1998	959	109	4,067	164	4,810
1997	1,023	107	4,772	108	5,531
1996	1,317	252	6,233	138	7,132

Population affected

FY	MCL	TT	M/R	Other	Total *
2001	359,556	222,120	1,616,708	82,910	2,012,850
2000	276,758	216,701	1,759,909	37,941	2,075,184
1999	373,845	56,710	883,464	36,223	1,229,143
1998	244,960	26,063	1,108,715	55,336	1,306,710
1997	285,722	34,087	1,311,222	39,417	1,560,659
1996	455,990	93,866	1,592,965	35,782	1,892,307

TNCWS violations reported

Number of violations

FY	MCL	TT	M/R	Other	Total
2001	4,596	677	38,794	1,467	45,534
2000	4,408	309	35,328	915	40,960
1999	4,967	223	36,651	740	42,581
1998	5,224	287	28,988	2,157	36,656
1997	5,382	390	33,851	1,795	41,418
1996	5,935	588	57,284	1,814	65,621

Number of systems in violation

FY	MCL	TT	M/R	Other	Total *
2001	3,687	256	19,623	826	22,358
2000	3,632	177	17,725	656	20,325
1999	3,862	139	19,658	494	22,185
1998	3,798	94	16,006	1,113	18,773
1997	4,041	134	17,485	971	20,505
1996	4,521	169	25,611	1,067	28,516

Population affected

FY	MCL	TT	M/R	Other	Total *
2001	558,780	46,987	2,385,309	118,847	2,792,810
2000	506,759	44,406	2,568,632	78,759	2,979,498
1999	566,066	39,547	2,220,821	62,786	2,628,376
1998	477,911	58,575	2,071,470	138,161	2,423,132
1997	537,539	64,156	2,205,834	122,530	2,622,932
1996	550,463	51,969	3,255,986	110,644	3,581,030

* Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row. This is because some systems will have incurred more than one type of violation.

FY2001 MCL and TT violations reported

From SDWIS/FED 01Q4 frozen violations table

Key:	# violations
	# systems
	Pop. affected

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Applies to all water systems						
TCR/T	8,007	1,218	301	215	7	9,748
	5,813	828	237	163	5	7,046
	639,508	1,066,188	1,467,969	3,656,741	2,291,543	9,121,949

Organics: Applies to CWS and NTNCWS

TTHM (VOC)	6	3	9	23		41
	3	2	3	12		20
	95	4,822	17,696	254,584		277,197
Other VOC	44	14	6	8	2	74
	30	9	4	8	1	52
	4,019	12,916	23,827	226,694	212,000	479,456
SOC	5	3			3	11
	5	3			1	9
	1,192	3,370			180,000	184,562

Inorganics: Applies to CWS and NTNCWS

Nitrates	395	93	20	8	1	517
	287	52	13	5	1	358
	33,962	64,929	73,534	144,747	897,213	1,214,385
Other IOC	178	29	14	3		224
	122	25	9	3		159
	21,515	28,423	47,785	36,918		134,641

Applies to CWS

Radionuclides	217	153	35	39		444
	125	76	21	22		244
	24,600	104,992	128,723	529,851		788,166

Applies to surface water systems

SWTR	1,315	456	164	196	32	2,163
	599	235	81	93	14	1,022
	98,572	327,732	498,251	3,042,414	7,480,313	11,447,282

Applies to CWS and NTNCWS

Lead & Copper	1,180	359	65	79	13	1,696
	932	294	51	65	13	1,355
	141,885	367,046	292,177	1,965,939	4,307,163	7,074,210

Acronyms:

TTHM (VOC) = Total Trihalomethanes

Other VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

SWTR = Surface Water Treatment Rule

TCR/T = Total Coliform Rule/

FY2001 Monitoring/Reporting violations reported

From SDWIS/FED 01Q4 frozen violations table (except for Chem M/Rs)

Chem M/R data are from SDWIS/FED 02Q1 frozen violations table, frozen in April

Key:	# violations
	# systems
	Pop. affected

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Applies to all water systems						
TCR/T	32,138	2,755	448	265	32	35,638
	19,427	1,873	349	209	22	21,880
	1,935,315	2,400,758	2,057,295	5,667,167	9,243,622	21,304,157

Organics: Applies to CWS and NTNCWS

TTHM (VOC)	6	5	6	92	5	114
	6	5	5	60	4	80
	852	6,975	41,286	1,602,117	882,418	2,533,648
Other VOC	23,203	3,787	1,021	1,101	209	29,321
	1,235	231	64	60	11	1,601
	168,984	258,375	376,198	1,586,381	3,588,770	5,978,708
SOC	17,408	2,122	648	582	118	20,878
	879	173	52	50	8	1,162
	120,696	202,636	322,772	1,356,286	4,487,908	6,490,298

Inorganics: Applies to CWS and NTNCWS

Nitrates	17,408	1,052	208	165	36	18,869
	12,850	731	118	77	10	13,786
	1,172,760	865,410	664,040	2,257,023	3,481,048	8,440,281
Other IOC	8,159	1,319	322	142	24	9,966
	1,053	199	51	30	5	1,338
	142,024	260,688	295,464	959,849	1,224,048	2,882,073

Applies to CWS

Radionuclides	265	42	8	8		323
	185	30	6	8		229
	28,493	42,947	36,339	196,930		304,709

Applies to surface water systems

SWTR	2,376	657	215	203	49	3,500
	566	277	124	114	24	1,105
	96,505	409,195	710,983	3,463,115	9,689,602	14,369,400

Applies to CWS and NTNCWS

Lead & Copper	9,705	1,532	331	211	13	11,792
	7,226	1,175	271	156	11	8,839
	952,348	1,402,084	1,545,764	4,013,445	3,106,719	11,020,360

Acronyms:

TTHM (VOC) = Total Trihalomethanes

Other VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

SWTR = Surface Water Treatment Rule

TCR/T = Total Coliform Rule/

Underground Injection Control program--inventory of wells

Types of wells:

- Class I Deep industrial waste disposal
- Class II For oil and natural gas production
- Class III Related to mineral recovery
- Class IV Banned, inject hazardous or radioactive waste above USDWs
- Class V Generally shallow disposal wells. There are an **estimated 650,000 Class V wells nationally**

Class I through IV data from annual reporting by states and EPA Regions

The Class V estimate is based on state estimates and modeling of storm water and large capacity septic

	Class I hazardous waste wells	Class I non- hazardous waste wells	Class II wells	Class III facilities (which may contain multiple wells)	Class III wells	Class IV facilities (which may contain multiple wells)
AK		6	925			
AL			347	1	3	
AR	6	10	1,078			
AZ				3	15	
CA		6	24,955	1	73	
CO		5	787	2	35	
FL	1	136	64			
IA			1			
IL	3	1	8,949			
IN	4	7	1,340			
KS	6	44	16,371	5	157	
KY		1	3,429			
LA	17	28	3,824	15	67	
MI	9	15	1,459	3	22	
MO			211			
MS	6	1	881			
MT			897			
ND		2	377			
NE		1	704	1	1,879	
NM		5	5,577	19	104	
NV			12			
NY		1	503	6	126	
OH	10	2	2,890	3	47	1
OK		11	11,448	1	1	
OR			2			
PA		10	1,897	1	10	
SD			63			
TN			14			
TX	60	46	51,998	86	5,789	
UT			256	1	4	2
VA		3	252	1	3	1
WA			1			
WV			700	3	31	
WY		23	4,666	12	8,211	1
EPA R2 tribal			12			
EPA R6 tribal	1		2,674			
EPA R8 tribal			723			
EPA R9 tribal			542			
	122	364	146,878	164	16,577	5